

Title (en)

Method for automatic segmentation of medical images

Title (de)

Verfahren zum automatischen Segmentieren von medizinischen Bildern

Title (fr)

Procédé pour la segmentation automatique d'images médicales

Publication

**EP 1225541 A2 20020724 (EN)**

Application

**EP 01309710 A 20011116**

Priority

US 72119500 A 20001122

Abstract (en)

An method for automatically extracting a three-dimensional sub-structure, for example a coronary vessel tree, from a plurality of slice images comprises the steps of depositing a seed point within a selected region of interest and segmenting the plurality of slice images responsive to the deposition of the seed point. The segmentation is performed in accordance with a plurality of predetermined classification values to extract the three-dimensional sub-structure. A method for automatically segmenting comprises the steps of receiving a deposited seed point, extracting a plurality of desired regions within the sub-structure and generating a segmented sub-structure from the extracted desired regions.

IPC 1-7

**G06T 5/00**

IPC 8 full level

**A61B 5/055** (2006.01); **A61B 6/03** (2006.01); **G01R 33/54** (2006.01); **G06T 1/00** (2006.01); **G06T 5/00** (2006.01)

CPC (source: EP US)

**G06T 7/0012** (2013.01 - EP US); **G06T 7/11** (2016.12 - EP US); **G06T 7/187** (2016.12 - EP US); **G06T 2207/10081** (2013.01 - EP US); **G06T 2207/10088** (2013.01 - EP US); **G06T 2207/20101** (2013.01 - EP US)

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Designated contracting state (EPC)

DE NL

DOCDB simple family (publication)

**EP 1225541 A2 20020724**; **EP 1225541 A3 20051019**; IL 146453 A0 20020725; JP 2002282235 A 20021002; US 6754376 B1 20040622

DOCDB simple family (application)

**EP 01309710 A 20011116**; IL 14645301 A 20011112; JP 2001355433 A 20011121; US 72119500 A 20001122